

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P#

Luminaire Tested: P3ART02R709030D2WDE010 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

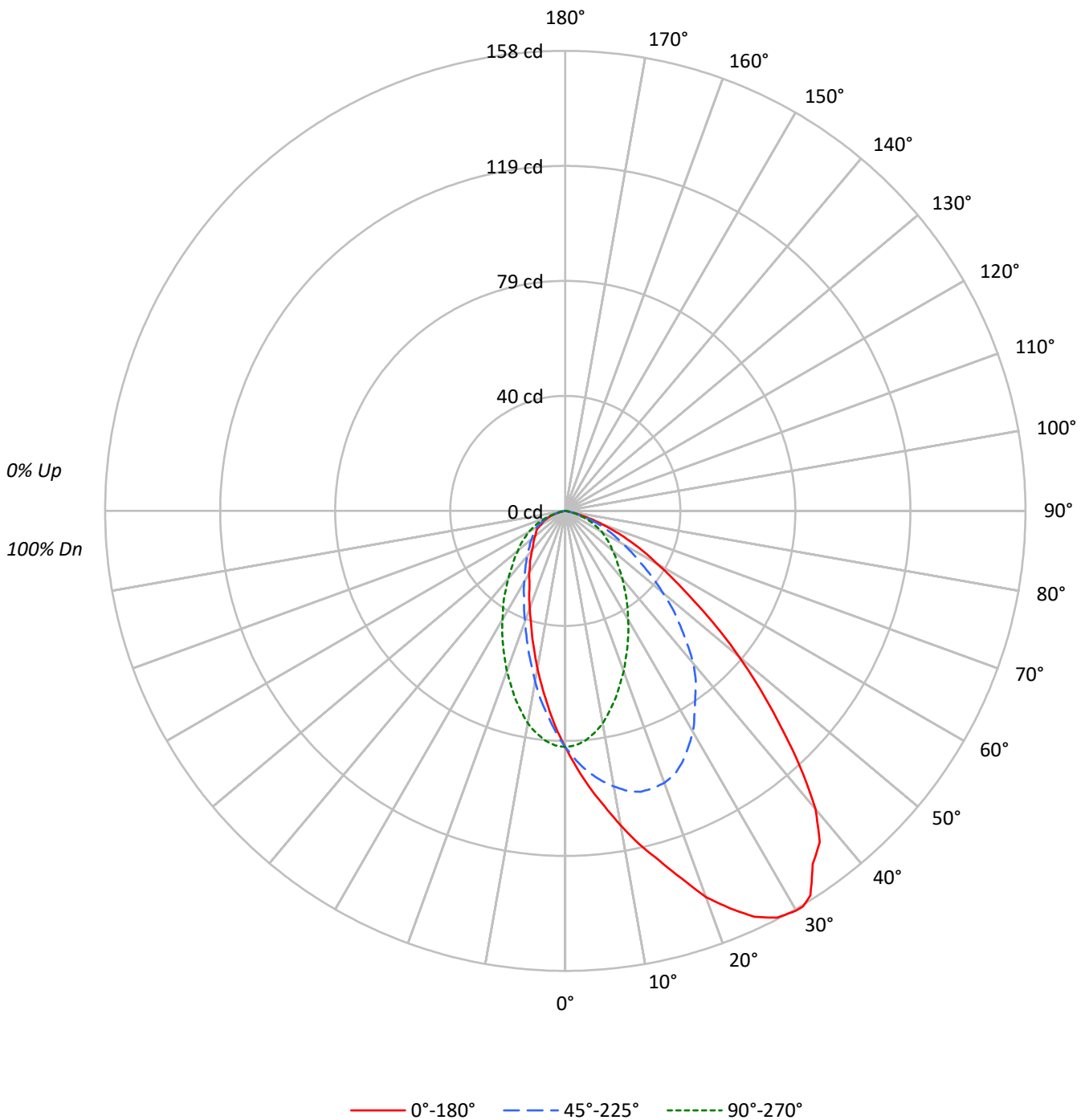
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709030D2WDE010 E3LCWW1WMH  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 165.0 lumens  
Efficiency: N/A  
Efficacy: 22.9 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	78	78	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	68	68	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	60	60	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	53	53	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	47	47	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	43	43	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	39	39	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	35	35	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	32	32	32	31

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	17784	17784	17784	17784	17784
5°	20955	19811	17433	15474	14858
10°	24426	21398	16499	13248	12224
15°	28195	22679	15119	11169	10011
20°	32926	23195	13675	9404	8307
25°	37212	23034	12243	8057	7041
30°	40133	22206	10913	7115	6279
35°	39645	20826	9798	6398	5648
40°	38243	19580	8731	5782	5095
45°	32406	17304	7846	5365	4807
50°	26541	14874	7198	5117	4640
55°	20606	12348	6805	5008	4664
60°	16051	10262	6359	4956	4298
65°	12660	8509	5604	4618	4151
70°	8719	6283	4488	3911	3590
75°	4406	3558	3219	2796	2372
80°	631	1137	1768	1137	631
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 32406 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.6	4.6
10°-20°	21.1	12.8
20°-30°	31.1	18.9
30°-40°	34.9	21.2
40°-50°	30.7	18.6
50°-60°	22.0	13.3
60°-70°	13.0	7.9
70°-80°	4.4	2.6
80°-90°	0.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
<b>0°-30°</b>	<b>59.9</b>	<b>36.3</b>
<b>0°-40°</b>	<b>94.8</b>	<b>57.4</b>
<b>0°-60°</b>	<b>147.4</b>	<b>89.3</b>
<b>0°-90°</b>	<b>165.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>165.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	81	81	81	81	81	
5°	95	90	79	70	68	10
15°	124	100	67	49	44	36
25°	154	95	51	33	29	71
35°	148	78	37	24	21	93
45°	104	56	25	17	16	81
55°	54	32	18	13	12	49
65°	24	16	11	9	8	24
75°	5	4	4	3	3	6
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	88.1	88.1	88.1	87.2	87.2	85.8	84.9	83.4	82.5	81.1	80.6
5°	95.2	95.2	94.2	93.3	91.9	90.0	87.7	85.3	82.5	80.2	79.2
7.5°	102.2	102.7	101.3	99.4	96.6	93.3	90.0	86.3	82.0	78.8	76.9
10°	109.7	109.7	107.8	105.0	100.8	96.1	90.9	85.8	80.6	75.9	74.1
12.5°	117.2	116.7	114.4	110.2	105.0	98.5	91.4	84.9	78.8	73.1	70.3
15°	124.2	124.2	121.0	115.8	108.3	99.9	91.4	83.0	75.9	69.4	66.6
17.5°	132.2	132.2	128.0	120.0	110.6	99.9	90.0	80.6	72.7	65.6	62.4
20°	141.1	140.6	134.5	123.8	111.6	99.4	88.1	77.8	68.9	61.4	58.6
22.5°	147.7	147.2	140.2	127.0	112.0	98.0	84.9	74.1	65.2	57.7	54.4
25°	153.8	152.8	144.9	128.5	111.1	95.2	81.6	69.9	61.4	53.9	50.6
27.5°	157.5	157.1	148.1	128.0	108.8	91.4	77.4	66.1	57.2	49.7	46.9
30°	158.5	158.9	148.1	125.6	105.0	87.7	73.1	61.9	53.0	46.4	43.1
31°	158.5	158.9	147.2	124.2	103.6	85.8	71.3	60.5	51.1	44.5	41.7
32.5°	156.6	155.6	145.8	121.9	100.3	82.5	68.9	58.1	48.8	42.2	39.8
35°	148.1	148.6	141.1	116.7	95.6	77.8	64.2	53.4	44.5	38.9	36.6
37.5°	143.5	143.5	129.9	109.7	90.5	73.6	58.6	48.3	40.8	35.6	33.3
40°	133.6	132.2	119.5	102.2	84.4	68.4	55.3	45.0	37.5	32.3	30.5
42.5°	119.5	118.1	108.3	95.6	76.4	61.9	52.5	39.8	33.8	29.5	27.7
45°	104.5	103.6	96.1	84.4	68.9	55.8	45.5	36.6	30.9	26.7	25.3
47.5°	90.9	89.5	83.9	75.0	62.4	50.2	39.4	32.8	27.7	24.4	23.4
50°	77.8	77.4	72.7	65.6	55.3	43.6	34.7	29.1	25.3	22.5	21.1
52.5°	65.6	64.7	62.4	56.7	48.3	38.0	30.5	25.8	22.5	20.6	19.7
55°	53.9	53.9	51.6	47.8	41.3	32.3	26.7	23.0	20.2	18.8	17.8
57.5°	44.5	44.5	42.7	40.3	34.2	27.7	23.4	20.2	18.3	16.9	15.9
60°	36.6	36.6	35.2	32.8	28.6	23.4	20.2	17.8	16.4	15.0	14.5
62.5°	30.5	30.0	29.1	26.7	23.4	19.7	17.3	15.5	14.1	13.1	12.7
65°	24.4	23.9	23.0	21.1	18.8	16.4	14.5	13.1	12.2	11.3	10.8
67.5°	18.8	18.8	17.8	16.4	14.5	13.1	11.7	10.8	9.8	9.4	8.9
70°	13.6	13.6	13.1	12.2	10.8	9.8	8.9	8.4	8.0	7.5	7.0
72.5°	9.4	9.4	8.9	8.4	7.5	7.0	6.1	6.1	5.6	5.6	5.2
75°	5.2	5.2	5.2	4.7	4.7	4.2	4.2	4.2	3.8	3.8	3.8
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	80.2	78.8	77.8	77.4	75.9	75.5	75.0	74.5	74.5	74.5
5°	78.3	75.9	73.6	72.2	70.3	69.4	68.4	68.0	67.5	67.5
7.5°	75.0	72.2	69.4	67.0	65.2	63.3	62.4	61.4	61.4	60.9
10°	71.7	68.0	64.7	61.4	59.5	57.2	56.3	55.3	54.9	54.9
12.5°	68.0	63.3	59.5	56.7	53.9	52.0	50.6	49.7	49.2	49.2
15°	63.8	59.1	54.9	52.0	49.2	46.9	45.5	44.5	44.1	44.1
17.5°	59.5	54.9	50.2	47.3	44.5	42.2	41.3	40.3	39.8	39.4
20°	55.8	50.2	46.4	42.7	40.3	38.4	37.0	36.1	35.6	35.6
22.5°	51.6	46.4	42.2	39.4	37.0	35.2	33.3	32.8	32.3	32.3
25°	47.3	42.7	38.9	36.1	33.3	31.9	30.5	29.5	29.5	29.1
27.5°	44.1	39.4	35.6	32.8	30.9	29.1	28.1	27.2	26.7	26.7
30°	40.3	36.1	32.8	30.5	28.1	26.7	25.8	24.8	24.8	24.8
31°	39.4	35.2	31.9	29.1	27.2	25.8	24.8	24.4	23.9	23.9
32.5°	37.0	33.3	30.0	27.7	25.8	24.4	23.4	23.0	23.0	22.5
35°	34.2	30.5	27.7	25.3	23.9	22.5	21.6	21.1	21.1	21.1
37.5°	31.4	28.1	25.3	23.4	22.0	20.6	20.2	19.2	19.2	19.2
40°	28.6	25.8	23.4	21.6	20.2	19.2	18.8	18.3	17.8	17.8
42.5°	26.3	23.4	21.6	20.2	18.8	17.8	17.3	16.9	16.9	16.4
45°	23.9	21.6	20.2	18.8	17.3	16.9	16.4	15.9	15.5	15.5
47.5°	22.0	20.2	18.3	17.3	16.4	15.5	15.0	15.0	14.5	14.5
50°	20.2	18.3	16.9	15.9	15.0	14.5	14.1	14.1	13.6	13.6
52.5°	18.8	16.9	15.9	15.0	14.1	13.6	13.1	13.1	12.7	12.7
55°	16.9	15.5	14.5	14.1	13.1	12.7	12.2	11.7	11.7	12.2
57.5°	15.5	14.5	13.6	13.1	12.2	11.7	11.3	11.3	10.8	11.3
60°	14.1	13.1	12.2	11.7	11.3	10.8	10.3	9.8	9.8	9.8
62.5°	12.7	11.7	11.3	10.3	9.8	9.8	9.4	9.4	9.4	8.9
65°	10.8	10.3	9.8	9.4	8.9	8.4	8.4	8.0	8.0	8.0
67.5°	8.9	8.4	8.0	8.0	7.5	7.0	7.0	7.0	7.0	6.6
70°	7.0	6.6	6.6	6.1	6.1	6.1	5.6	5.6	5.6	5.6
72.5°	5.2	5.2	4.7	4.7	4.7	4.7	4.2	4.2	4.2	4.2
75°	3.8	3.8	3.8	3.3	3.3	3.3	2.8	2.8	2.8	2.8
77.5°	2.3	2.3	2.3	2.3	2.3	1.9	1.9	1.9	1.9	1.9
80°	1.4	1.4	1.4	1.4	0.9	0.9	0.9	0.9	0.9	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)